

What is claimed is:

1. A manufacturing method for a PET bottle capable of keeping a state of being contracted in the lengthwise direction, comprising the steps of: molding a PET bottle body in which a part or the whole in the height direction thereof, excluding a mouth section in the upper end portion, the width in the height direction of said mouth section, and the width in the height direction of a bottom section, is formed into a horizontal bellows shape; and compressing the molded PET bottle body in the longitudinal direction so that when the bellows shape portion of said PET bottle body is compressed toward the center of said PET bottle body from one side or both sides in the lengthwise direction thereof, a state in which said bellows shape portion is crushed in a lapped manner can be kept, wherein

said PET bottle body is molded so that the wall thickness of a valley section constituting said bellows shape is larger than the wall thickness of a peak section.

2. The manufacturing method for a PET bottle capable of keeping a state of being contracted in the lengthwise direction according to claim 1, wherein the wall thickness of said valley section is actually 0.4 to 0.5 mm, and the wall thickness of said peak section is 0.2 to 0.35 mm.

3. The manufacturing method for a PET bottle capable of keeping a state of being contracted in the lengthwise direction according to claim 1 or 2, wherein said method further

comprises a step such that the PET bottle body crushed in such a manner that said bellows shape portion laps is transported to a charging plant, where contents are charged into said PET bottle body, in the crushed state, and in said charging plant, said PET bottle body is extended by blowing air before said contents are charged, or said PET bottle body is restored to an original shape before crushing by a pressure for charging said contents.

4. The manufacturing method for a PET bottle capable of keeping a state of being contracted in the lengthwise direction according to any one of claims 1 to 3, wherein the step of compressing said PET bottle body is carried out while air in said PET bottle body is sucked.

5. The manufacturing method for a PET bottle capable of keeping a state of being contracted in the lengthwise direction according to any one of claims 1 to 4, wherein in forming the bellows shape of said PET bottle body, the upper face of said bellows shape is in a curved shape protruding outward, and the lower face thereof is in a straight line shape.

6. The manufacturing method for a PET bottle capable of keeping a state of being contracted in the lengthwise direction according to any one of claims 1 to 5, wherein in the step of molding said PET bottle body, a preform is automatically inserted in a mold, and the bellows-shaped PET bottle body is molded by high-pressure air of about 40 kilogram.

7. The manufacturing method for a PET bottle capable of keeping a state of being contracted in the lengthwise direction according to claim 6, wherein the thickness of the periphery of said preform is 1.5 to 2.5 mm.